

MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING

THURSDAY, NOVEMBER 5, 2020 – 1:30 P.M.

REMOTE MEETING ONLY

On March 12, 2020, Governor Newsom issued Executive Order N-29-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. In light of this, the November 5, 2020 meeting of the MBARD Advisory Committee was held via Zoom webinar.

Summary of Actions

- 1. Call to Order The meeting was called to order by Chair Brennan at 1:35 p.m.
- 2. Roll Call

Present: Allen Stroh, Bob Smith, Janet Brennan, Sandy Coplin, Spencer Critchley, Scott Storm.

Absent: David Mack, Jeff Davis, Sandy Swint.

Excused: Jay Tufano, Scott Soares.

- 3. Changes to the Agenda None.
- 4. Recognition of Tom Brokaw for Eighteen Years of Service on the Advisory Committee
- 5. Public Comment Period None.
- 6. **Accepted and Filed** Summary of Actions for Advisory Committee Meeting of September 3, 2020 **Accepted and filed by consensus.**
- 7. **Received** a Presentation on a Proposed Change to the Designation for the State Ozone Standard in the North Central Coast Air Basin

No action required or taken.

- 8. **Received** Report and Provide Comments on Evaluation of Best Available Retrofit Control Technology (BARCT) Rule for Internal Combustion Engines

 No action required or taken.
- 9. **Received** a Presentation on an Update to the Diesel Engine and Equipment Replacement Program Guidelines

Motion: Recommend approval of update of guidelines to the Board of Directors.

Action: Approve. **Moved by** Sandy Coplin, **Seconded by** Allen Stroh. Motion passed unanimously. **Vote:** Motion carried by unanimous roll call vote (summary: Yes = 6).

Yes: Allen Stroh, Bob Smith, Janet Brennan, Sandy Coplin, Spencer Critchley, Scott Storm.

10. Received Monthly Oral Report from Air Pollution Control Officer Richard Stedman, APCO, reported on the following: Engineering

- Engineering staff is very busy. One engineering position has not been replaced due to a hiring freeze and there are at least as many applications for permits as last year.
- Continued progress with implementation of new permit database Accela. Working with the consultant to create reports and specifications to allow monthly permit billing to come from the Accela database rather than accounting software.
- District issued a 30-day public notice to cancel Title V permit for Trical, Inc. for agricultural chemical and receiving, storage, and packaging facility located in Hollister. The facility installed both a closed loop piping system for the receiving and packaging operations and a carbon adsorption system for the cylinder filling. These actions reduced the facility's emissions of hazardous air pollutants below the major source threshold requirements for a federal Title V permit. The District intends to cancel the Title V permit on November 9, 2020.

Planning and Air Monitoring

- Two electric vehicle DC fast charge stations have been installed by Chargepoint as part of the Plug-In Monterey Bay Grant and are available at Target stores in Marina and Hollister.
- Monterey Bay Electric Vehicle Incentive Program has received 101 applications, 6 of them are low income. \$184,900 is obligated and \$265,450, or 59%, is remaining.
- Woodstove Change Out Program launched on October 13. The program offers up to \$1,500 to replace a non-EPA certified woodstove or open hearth fireplace with a new natural gas, propane, pellet, EPA certified woodstove or insert or an electric heater or ductless mini-split heat pump.
- San Lorenzo Valley seasonal monitoring network is being installed to measure elevated wintertime concentrations of wood smoke from fireplaces and chimneys.
- Seasonal monitoring network supports the District's Spare the Air program in SLV which will be launched in November. When a Spare the Air alert has been declared, residents of SLV are asked to voluntarily use a heat source other than wood. The program runs from late Fall through the Winter.
- Zero Emission School Bus Program has received 26 applications. Ten all-electric school buses have been delivered.

<u>Outreach</u>

- District now has a channel on YouTube Monterey Bay Air Resources District
- District staff produced two informational videos: AQI Spanish and English
- New Electronic Newsletter
- Signed on with Entravision for Spanish ads. They are affiliated with
 - o KSMS Univision 67 TV
 - o KDJT UniMass 33 TV

- o KLOK Radio Tricolor 99.5FM
- o KSES La Suavecita Radio 107.1FM
- o KLOK Radio for Wood Stove Change Out Program
- Outreach materials shared with Breathe California for Breath of Life Walk
- A 30 second informational AQI video was produced for MBARD by KSBW and is currently running on that station.
- 11. Future Agenda Items None.
- 12. Chairman's Comments None.
- 13. Comments from Committee Members None.
- 14. Order for Adjournment

Ann O'Rourke
Executive Assistant

BARCT Rule for Internal Combustion Engines

SEONG KIM AIR QUALITY ENGINEER II NOVEMBER 5, 2020



Outline

- •Background Information
- •Rule Schedule
- •BARCT and BACT Definition
- Recommendation



Background

- AB617 added language to the Health & Safety Code which requires an air district
 that is nonattainment for one or more criteria pollutants to adopt an expedited
 rule development schedule that implements Best Available Retrofit Control
 Technology (BARCT).
- •BARCT requirements only apply to industrial sources subject to the State Cap & Trade program as of January 1, 2017.
- ° There are four industrial sources located in Monterey County.



BARCT IMPLEMENTATION SCHEDULE Rule Development Sources 2019 2020 2021 2022 2023 Steam Generators/ Boilers/Process Heaters Internal Combustion Engines Steam Driven Oil Production Wells (revise Rule 427) Lime Kiln Schedule approved by the Board of Directors on November 14, 2018.

BARCT DEFINITION

Emission limitation that is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts by each class or category of source

(Health and Safety Code Section 40406)



BACT DEFINITION

Means an emission limitation that will achieve the lowest achievable emission rate for the source to which it is applied.

(Health and Safety Code Section 40405)



Internal Combustion Engines

Stationary - designed to stay in one location or remains in one location



Portable - designed and capable of being carried or moved from one location to another



Engine Requirements

- •Portable diesel engines subject to state regulation and phase-out schedule
- •Stationary engines subject to New Source Review Rule 207
- Best available control technology
- Offsets
- •Stationary diesel engines subject to Toxics Rule 1010
- · Engine tier requirements based on use; emergency or prime
- •Subject to the Air Toxics "Hot Spots" Information and Assessment Act (AB2588)
- Identify facilities having localized impacts, ascertain health risks, notify nearby residents of significant risks, and reduce those significant risks to acceptable levels.

Monteney Bay A

Permitted Engines

- •Eight diesel engines at the four applicable industrial sources
- Two stationary emergency engines
- One meets existing Tier 3 requirements
- One has an application in to update engine to Tier 3 and portable use
- Six portable engines



Average Engine Emissions (2017-2019)

Engine Description	NO _x	voc
	(tons/yr)	(tons/yr)
Emergency IC Engine #1 (Tier 3)	0.35	0.03
Emergency IC Engine #2 (Tier 0)	0.01	0.003
Portable IC Engine-Pump (Tier 3)	0.17	0.11
Portable Abrasive Blasting With IC Engine	0	0
Portable IC Engine-Workover Rig #1	0	0
Portable IC Engine-Workover Rig #2	0	0
Portable IC Engine-Workover Rig #3	0	0
Portable IC Engine (Tier 3 or higher)	0	0
3-Year Average	0.53	0.13



Conclusions

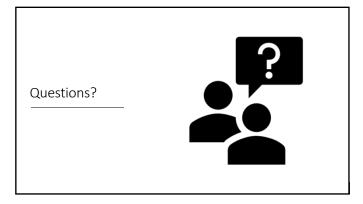
- •The majority of the permitted engines at the subject industrial sources are portable engines subject to phase-out by state law.
- A new rule would only apply to one stationary emergency engine which already meets the Best Available Control Technology (BACT) permitting requirement for NOx and did not trigger BACT for VOC when permitted.
- •The California Air Resources Board is proposing to re-designate MBARD to attainment for the state 8-hour ozone standard based on monitoring data for years when the engines operated.
- \bullet Emission reductions from these engines are not needed to attain or maintain the 8-hour ozone standard.



Recommendation

A BARCT rule for Internal Combustion Engines is not necessary and MBARD proposes not moving forward with rule development activities.





DEERP Guidelines Update +

ADVISORY COMMITTEE, NOVEMBER 5, 2020

PLANNING DIVISION, MBARD

Carl Moyer Program (CMP)







Established 1998 -- MBARD has

Cost-Effectively reducing smog-forming and toxic emissions

\$ 60 million per year

Outline



& Innovative Future



Carl Moyer Program (CMP)

- ☐ Funds cleaner-than-required engines and equipment
- ☐ Emission reductions NOx. ROG. and PM
- ☐ Program funding sources:
- ☐ Smog Abatement Fee (SB 1107) \$6 from the DMV per newly registered vehicle
- ☐ Tire Fee (AB 923) \$0.75 per tire, received from the Board of Equalization
- ☐ AB 923 (Match Funds) additional surcharge of \$2 to pay for specific clean air incentives

DEERP Guideline Changes

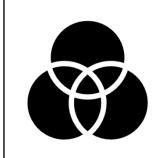
2020

ALL DEERP Projects (CAPP, FARMER, MOYER,

- ☐ Priority Ranking:
- ☐ Disadvantaged Communities (DACs)
- ☐ Low-Income Communities (LIs) ☐ ½ Mile Buffer Areas
- ☐ Zero-Emission Replacement Projects ☐ Annual Emissions Reduced
- ☐ Maximum funding \$300,000 or 65%

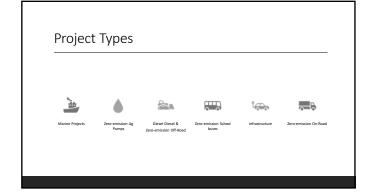
2021

- ☐ Carl Moyer & FARMER:
- ☐ Rank by Cost-Effectiveness (\$/tons of emissions)
- $\hfill \square$ Zero-emission projects
- $\hfill \square$ Maximum funding **\$150,000** or 50%
- ☐ CAPP projects will focus on electrifying Class 6 - Class 8 fleets in DACs and LIs



CMP & Other Funding Sources

- ☐ Ability to co-fund Moyer Projects with other public funds
- ☐ Must meet the requirements of each funding source
- ☐ FARMER & CAPP Cap & Trade dollars

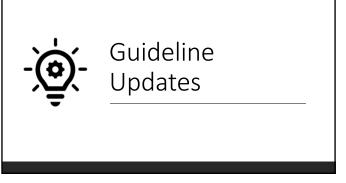


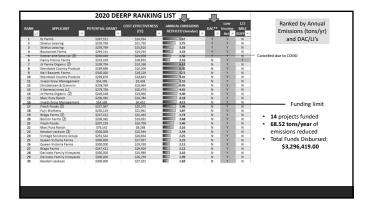


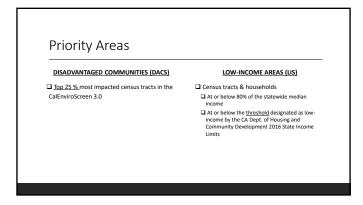


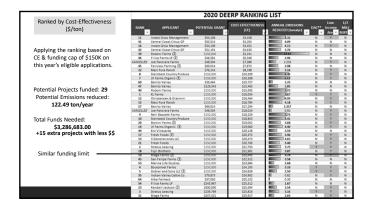


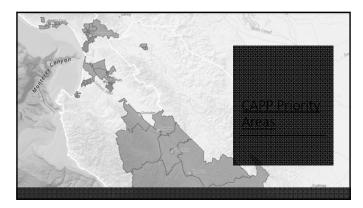






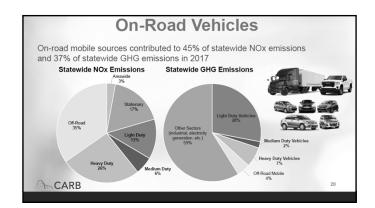


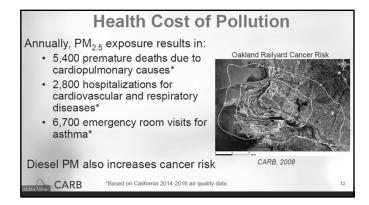




Community Air Protection Program (CAPP)

| Focus on Disadvantaged Communities (DAC) and Low-Income areas (LI)
| Engage DAC and LI areas through outreach and support
| Prioritize Zero-Emission Technology and Infrastructure
| Replace diesel medium to heavy duty vehicles with all electric
| Install fleet electric charging stations







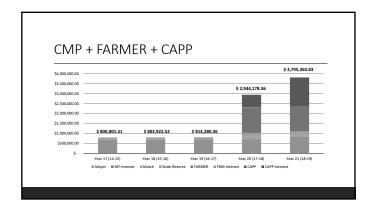






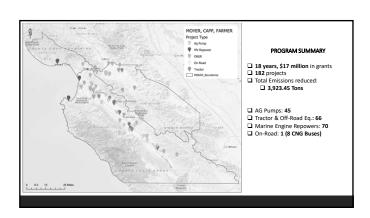


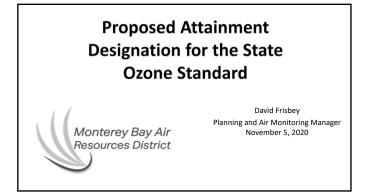
Program
Performance &
Statistics

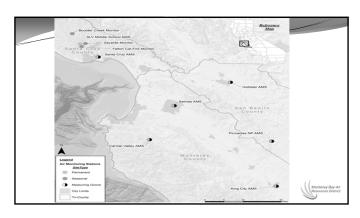


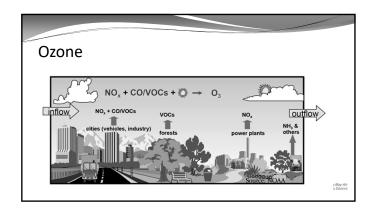


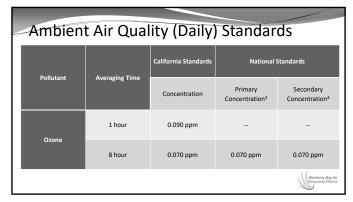
CMP + FARMER + CAPP Fiscal Year 2016-17 2017-18 2014-15 2018-19 2015-16 684,044.00 \$ 683,863.00 \$ 684,218.00 \$ 711,861.00 \$ 832,777.00 2,750.31 \$ 1,825.52 114,007.00 \$117,234.00 \$ 12,767.36 \$ 117,295.00 \$ 8,151.48 \$ 13,988.77 \$ 122,033.00 \$ 142,762.00 vlatch \$ 181,933.00 \$ 114,989.73 \$ 1,298,200.00 \$ 1,253,735.00 State Reserve FARMER FM-Interest 7,936.88 \$ 614,063.00 \$ 1,433,304.25 CAPP-Interest 3,794.08 800,801.31 \$802,922.52 \$ 2,944,178.36 \$ 3,795,350.83 TOTAL FUNDING: \$ \$814,280.36













Designation Categories Nonattainment = 1 or more violations in last 3 years Attainment = No violations in last 3 years Unclassified = Insufficient data, but not expected to be nonattainment

Exceedance vs. Violation

Exceedance

- Concentration higher than standard
- Qualifying exceedances are excluded as Highly Irregular or Infrequent Events
 - Exceptional events. (e.g. Wildfires)

Violation

- Exceedance not excluded as a Highly Irregular or Infrequent Event
- Not all exceedances are violations



Proposed Designation Change to Attainment

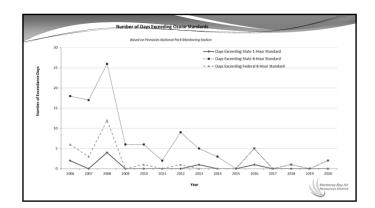
- Highest site is Pinnacles National Monument
- 8-hour designation value (highest value excluding extreme concentration events)= 0.070 ppm
- 1-hour designation value = 0.080 ppm
- No violations of the standards for 3 year period: 2017-2019



Current Designation: Nonattainment-Transitional

- Subcategory of Nonattainment
- By operation of law
- ullet 3 or fewer exceedances in last year
- Highly irregular or infrequent events are not excluded





Attainment Designation

- 8-hour = 0.070 ppm
- 1-hour = 0.090 ppm
- Both standards are not to be exceeded
- Most recent 3 calendar years
- Current review: 2017-2019



What's Next?

- CARB posts staff report on January 5, 2021
- 45-day public comment period opens on January 8, 2021
- California Air Resources Board Hearing is on February 25 and 26, 2021
- If Adopted
 - District grant programs will continue to be funded
 - Requirement for Air Quality Management Plans is suspended



